

Data Path : Z:\HPCHEM1\BNA_E\Data\BE123114\
 Data File : BE089300.D
 Acq On : 31 Dec 2014 19:32
 Operator : TP/IZ
 Sample : SSTD0.454
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTD0.454

Quant Time: Jan 01 03:57:26 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE123014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 01 03:02:36 2015
 Response via : Initial Calibration

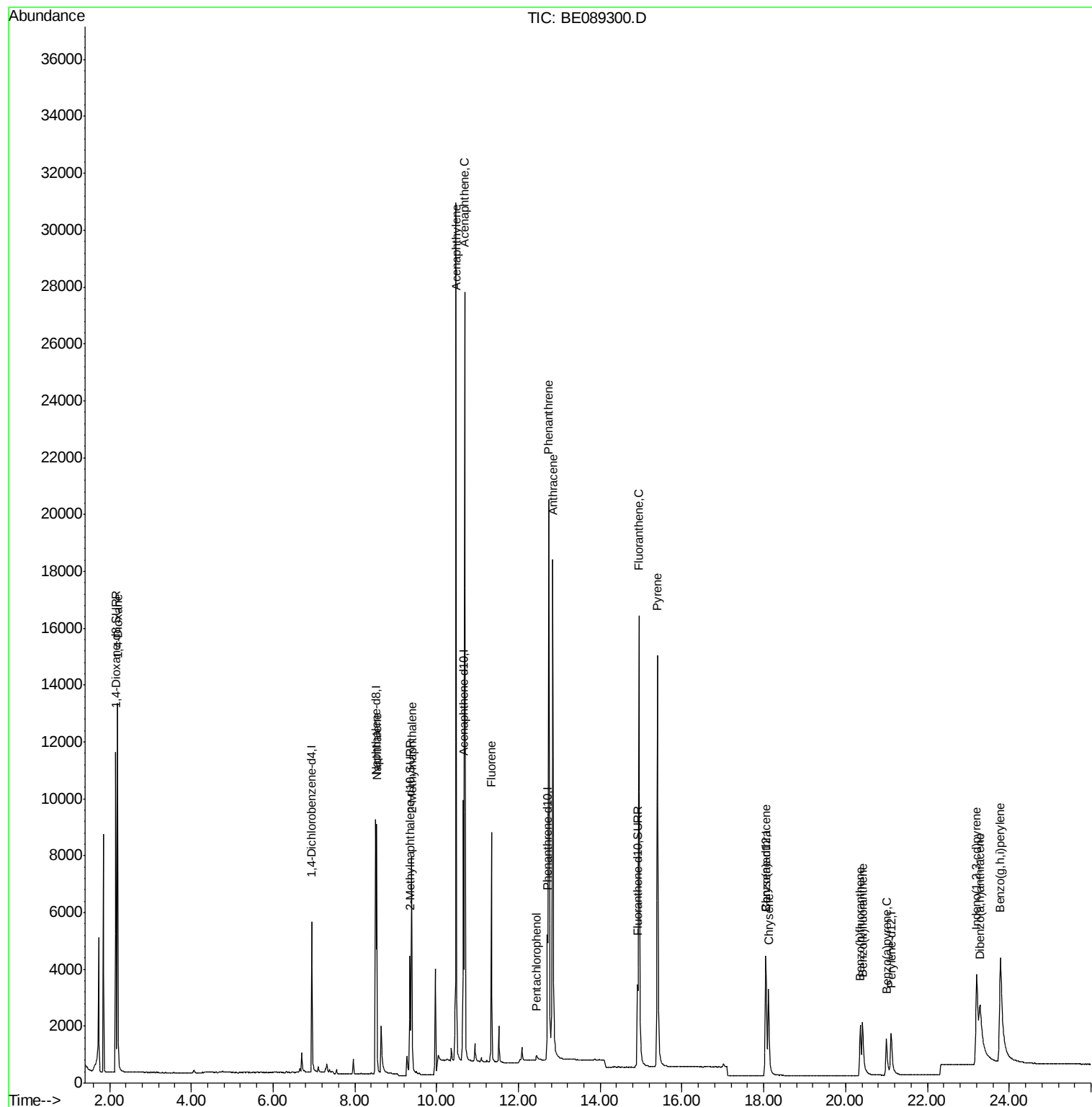
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	2059	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	8225	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	3975	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.70	188	5907	0.40	ng/ul	-0.01
18) Chrysene-d12	18.06	240	4032	0.40	ng/ul	0.00
22) Perylene-d12	21.11	264	3131	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.15	96	6577	2.13	ng/uL	0.00
6) 2-Methylnaphthalene-d10	9.35	152	4041	0.43	ng/ul	0.00
16) Fluoranthene-d10	14.91	212	4061	0.40	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.19	88	7176	2.08	ng/ul	99
5) Naphthalene	8.53	128	8306	0.43	ng/ul	100
7) 2-Methylnaphthalene	9.39	142	5163	0.43	ng/ul	100
9) Acenaphthylene	10.48	152	27892	0.44	ng/ul	98
10) Acenaphthene	10.69	153	18133	0.42	ng/ul#	85
11) Fluorene	11.34	166	4819	0.42	ng/ul	97
13) Pentachlorophenol	12.45	266	275	0.44	ng/ul	95
14) Phenanthrene	12.74	178	26857	0.42	ng/ul	94
15) Anthracene	12.83	178	24018	0.43	ng/ul	99
17) Fluoranthene	14.95	202	23153	0.41	ng/ul	99
19) Pyrene	15.40	202	22868	0.44	ng/ul	99
20) Benzo(a)anthracene	18.04	228	3653	0.40	ng/ul	100
21) Chrysene	18.11	228	4797	0.44	ng/ul	99
23) Benzo(b)fluoranthene	20.36	252	2865	0.36	ng/ul	100
24) Benzo(k)fluoranthene	20.42	252	4406	0.43	ng/ul	99
25) Benzo(a)pyrene	21.00	252	3212	0.40	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	23.20	276	7347	0.33	ng/ul	98
27) Dibenzo(a,h)anthracene	23.30	278	2383	0.37	ng/ul	98
28) Benzo(g,h,i)perylene	23.78	276	12537	0.39	ng/ul	97

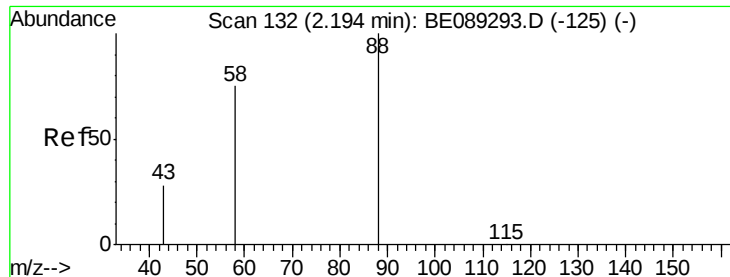
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.08 ng/ul

RT: 2.19 min Scan# 132

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

SSTD0.454

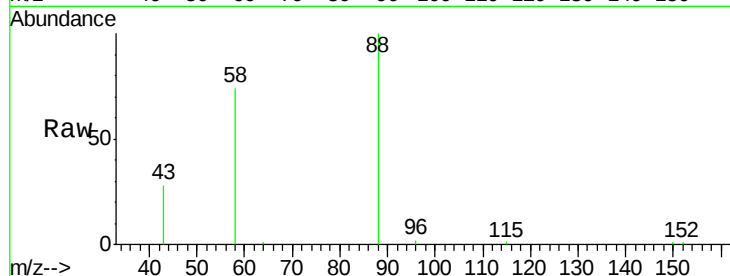
Tgt Ion: 88 Resp: 7176

Ion Ratio Lower Upper

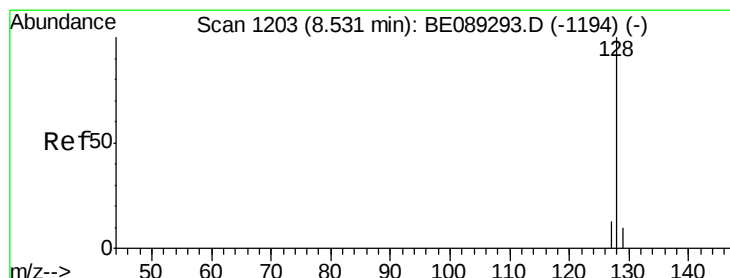
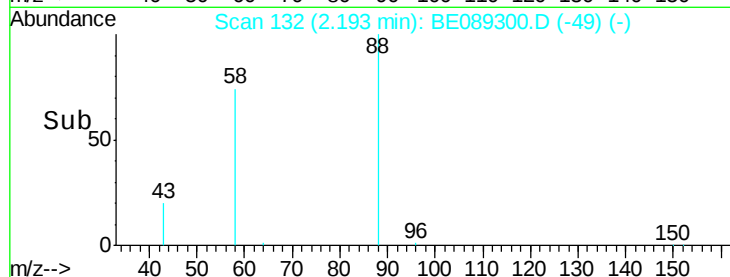
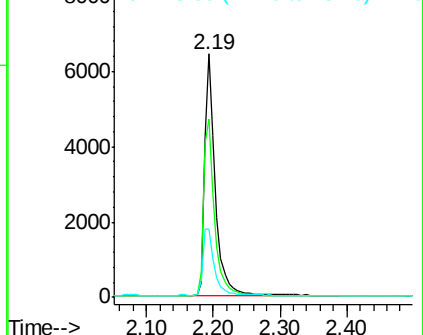
88 100

58 76.2 61.5 92.3

43 29.9 23.9 35.9



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

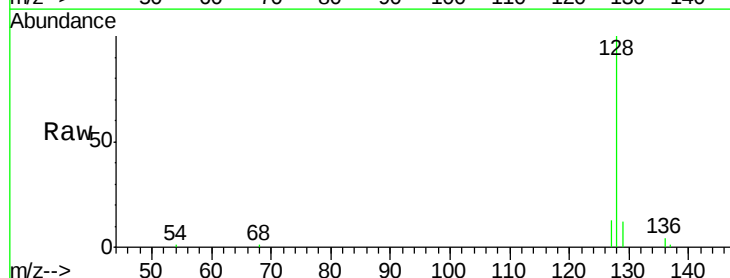
Tgt Ion: 128 Resp: 8306

Ion Ratio Lower Upper

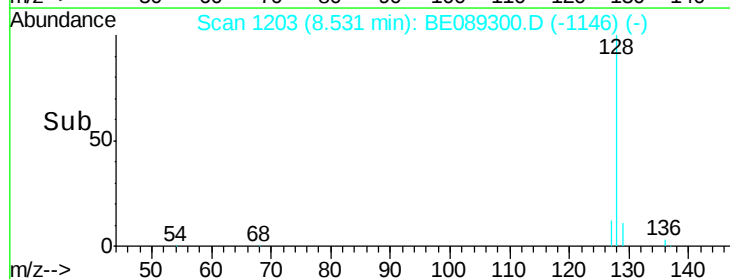
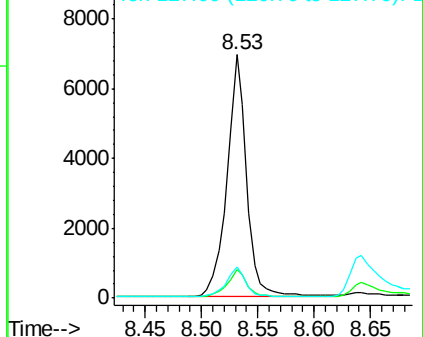
128 100

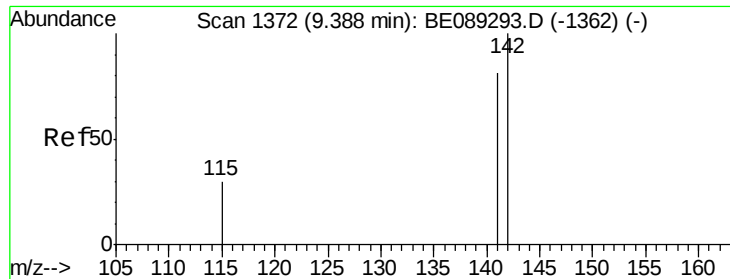
129 11.7 9.1 13.7

127 12.6 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.43 ng/ul

RT: 9.39 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

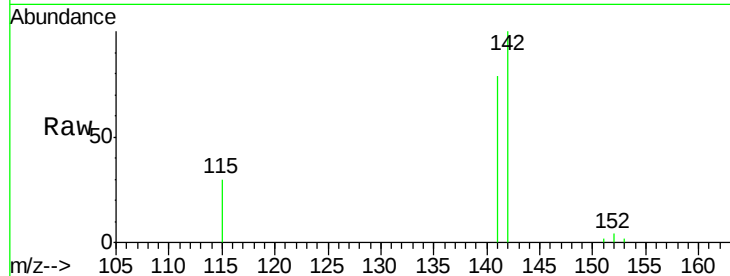
SSTD0.454

Tgt Ion:142 Resp: 5163

Ion Ratio Lower Upper

142 100

141 81.7 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

9.39

4000

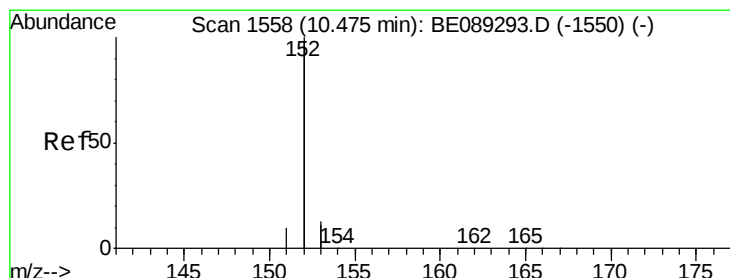
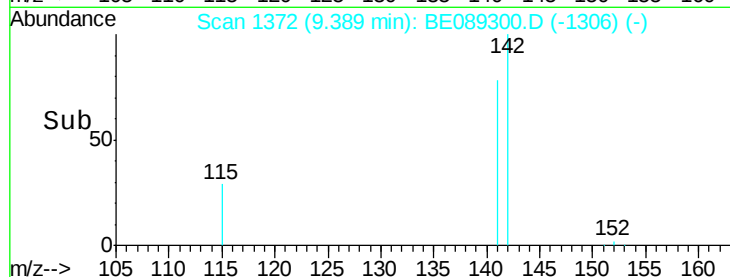
3000

2000

1000

0

Time--> 9.30 9.35 9.40 9.45 9.50



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

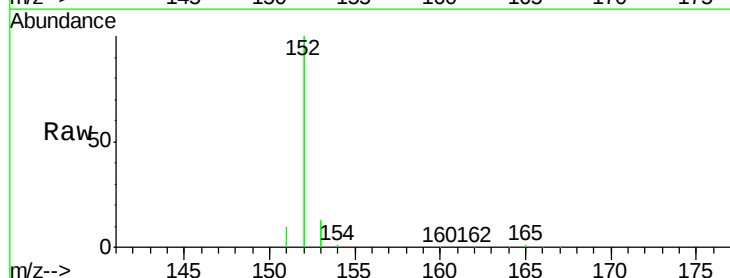
Tgt Ion:152 Resp: 27892

Ion Ratio Lower Upper

152 100

151 4.8 4.0 6.0

153 13.4 10.1 15.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

10.48

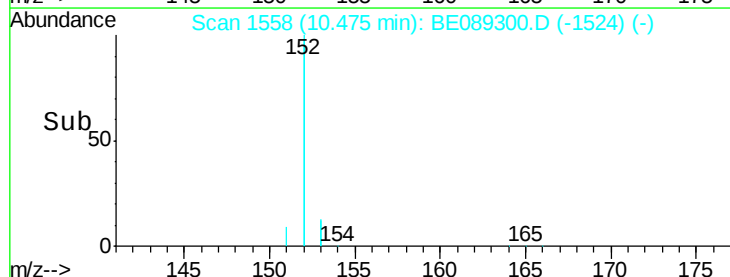
30000

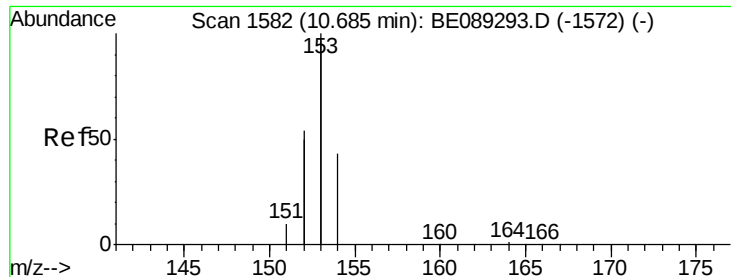
20000

10000

0

Time--> 10.30 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 10.69 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

SSTD0.454

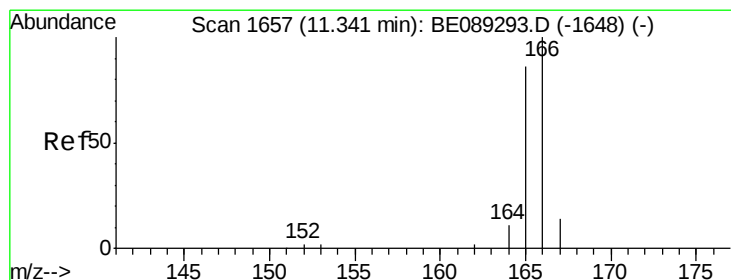
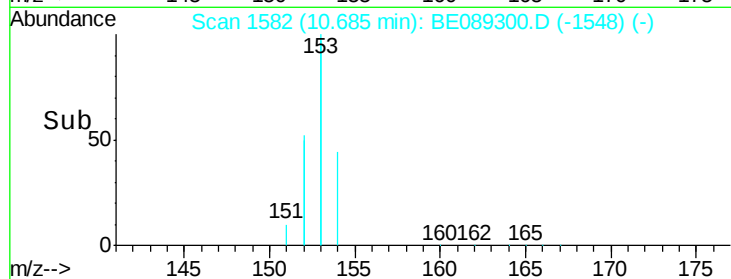
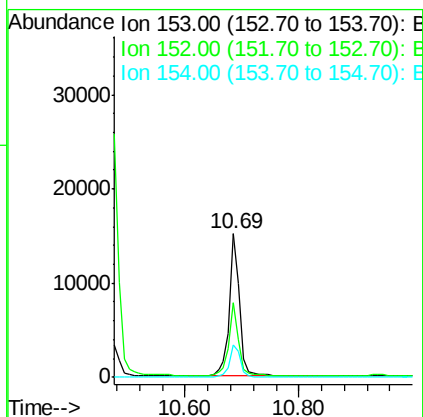
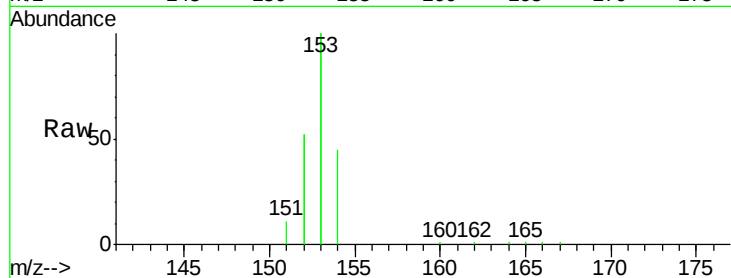
Tgt Ion:153 Resp: 18133

Ion Ratio Lower Upper

153 100

152 52.4 32.6 49.0#

154 22.3 21.8 32.6



#11

Fluorene

Concen: 0.42 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

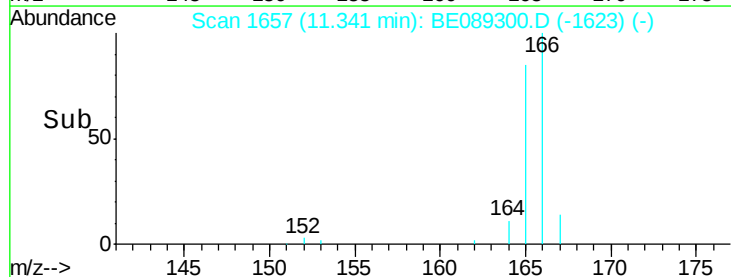
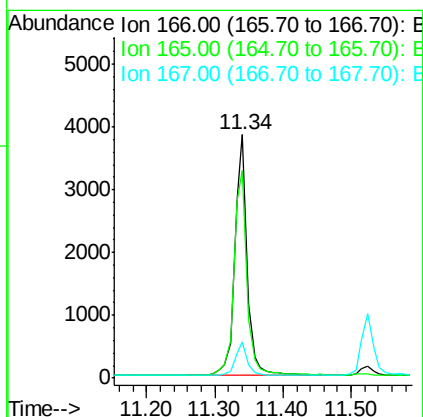
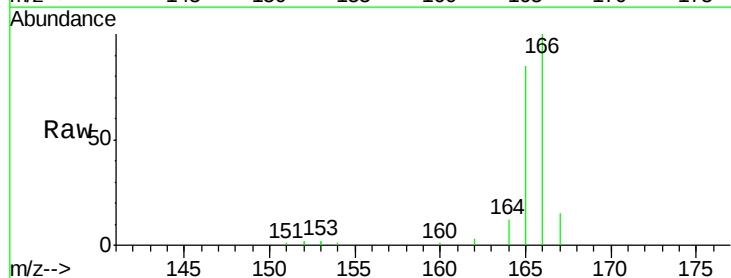
Tgt Ion:166 Resp: 4819

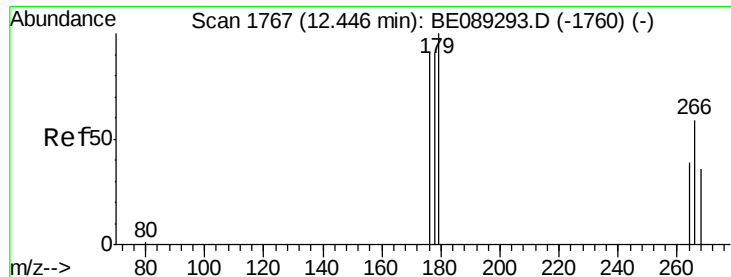
Ion Ratio Lower Upper

166 100

165 85.1 70.3 105.5

167 14.7 11.5 17.3

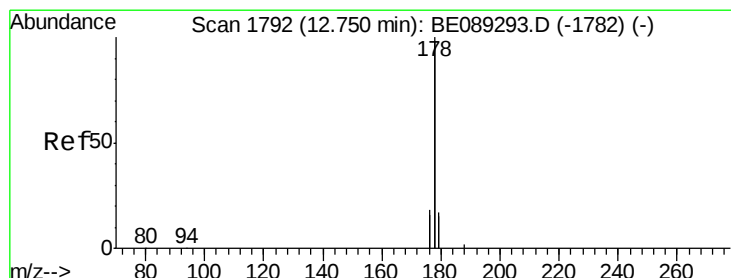
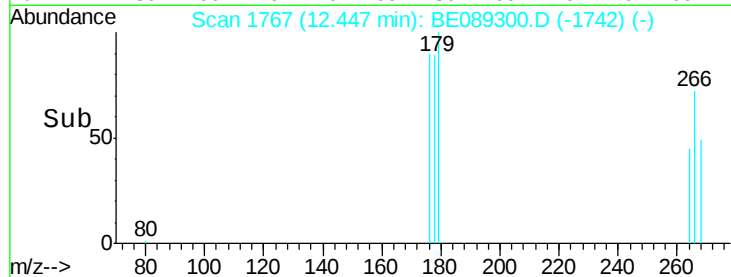
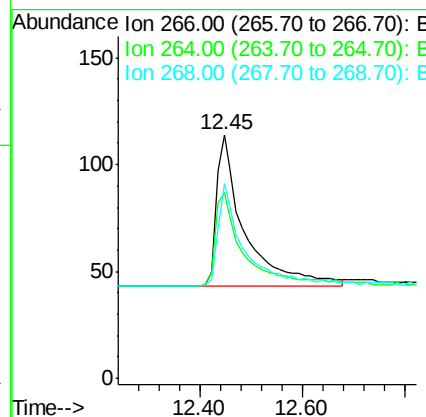
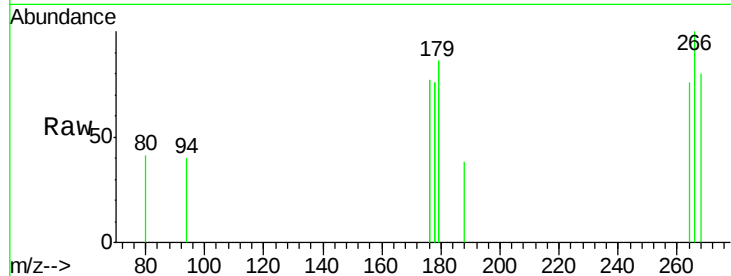




#13
 Pentachlorophenol
 Concen: 0.44 ng/ul
 RT: 12.45 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: BE089300.D
 Acq: 31 Dec 2014 19:32

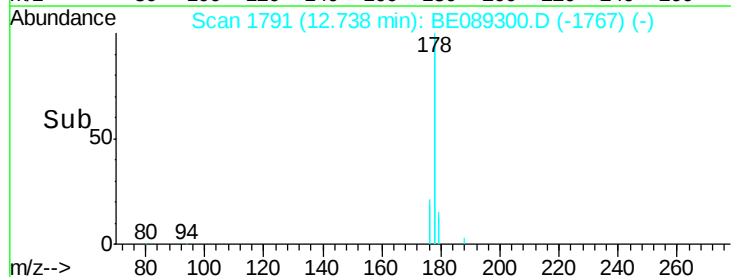
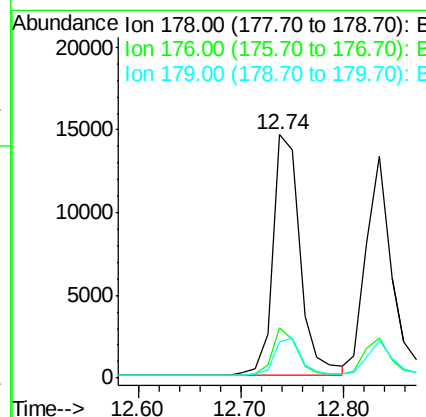
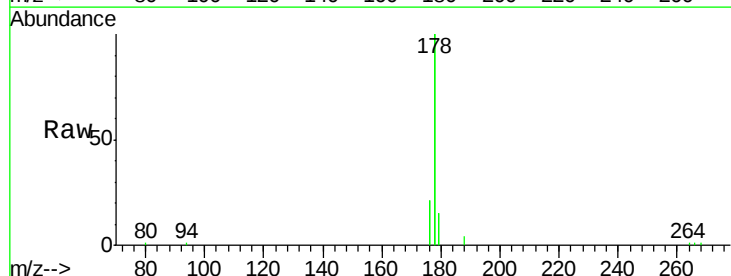
Instrument :
 BNA_E
 LabSampleId :
 SST0.454

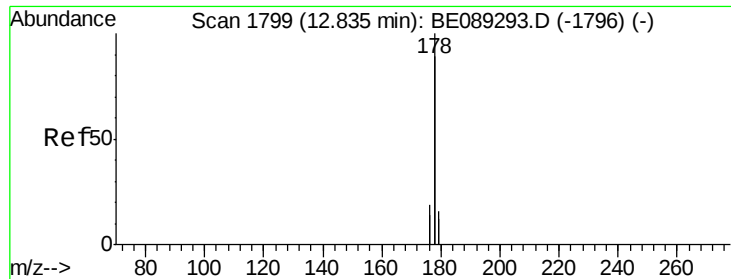
Tgt Ion: 266 Resp: 275
 Ion Ratio Lower Upper
 266 100
 264 63.6 48.7 73.1
 268 61.8 52.9 79.3



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 12.74 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BE089300.D
 Acq: 31 Dec 2014 19:32

Tgt Ion: 178 Resp: 26857
 Ion Ratio Lower Upper
 178 100
 176 20.7 14.3 21.5
 179 15.1 13.8 20.8





#15

Anthracene

Concen: 0.43 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

SSTD0.454

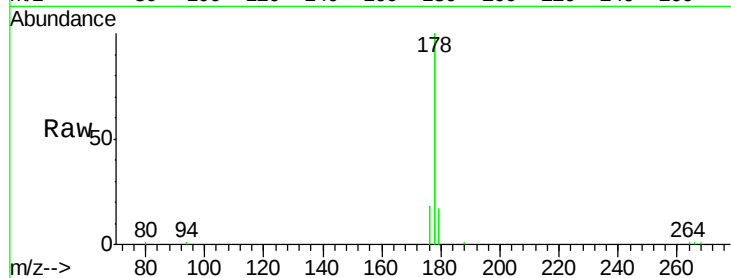
Tgt Ion:178 Resp: 24018

Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

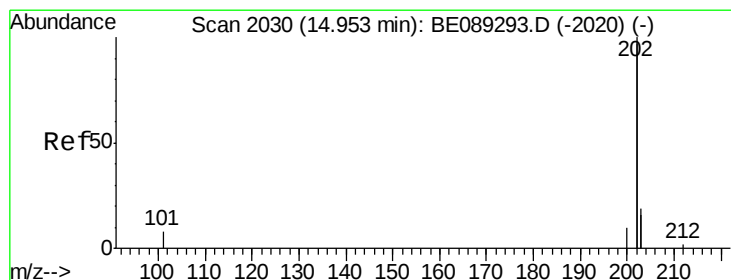
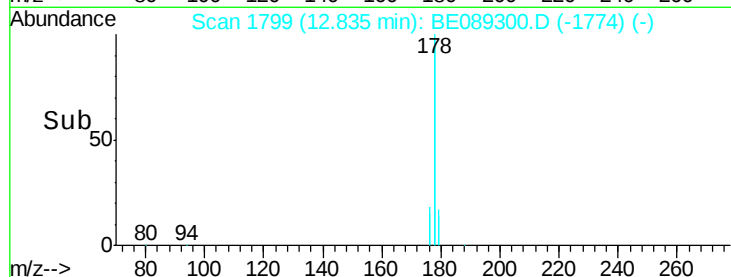
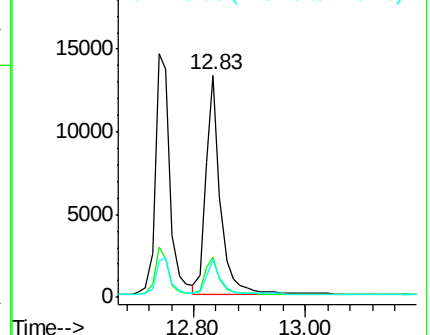
179 17.0 13.4 20.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Fluoranthene

Concen: 0.41 ng/ul

RT: 14.95 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

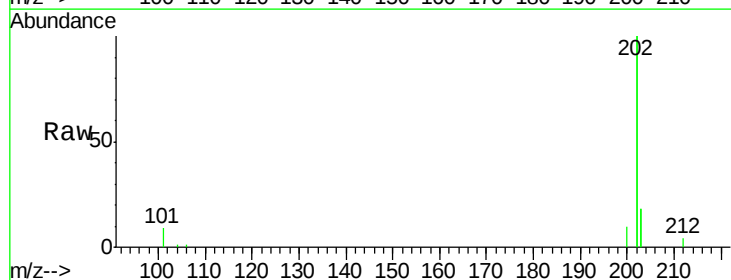
Tgt Ion:202 Resp: 23153

Ion Ratio Lower Upper

202 100

101 4.4 0.0 24.6

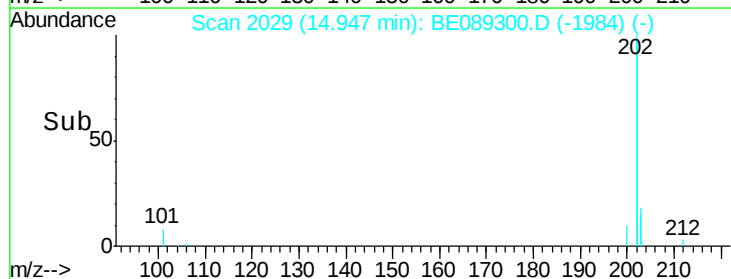
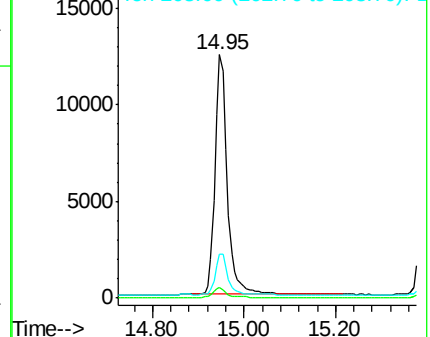
203 18.1 0.0 37.8

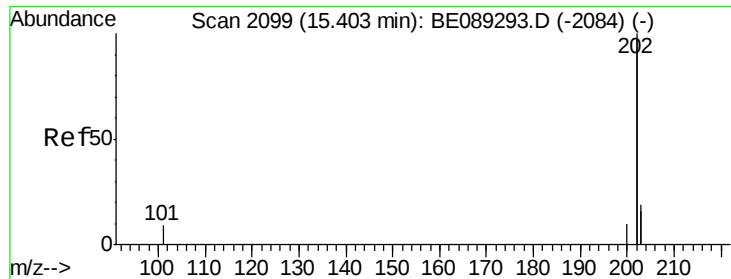


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.44 ng/ul

RT: 15.40 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

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BNA_E

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SSTD0.454

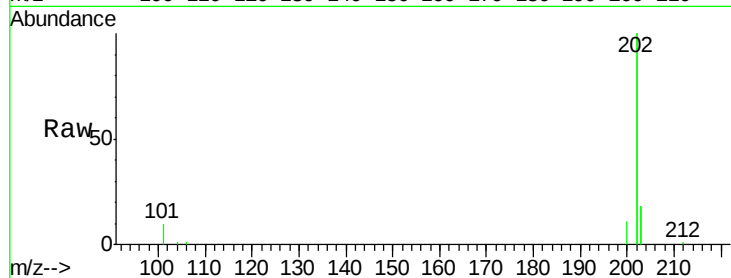
Tgt Ion:202 Resp: 22868

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

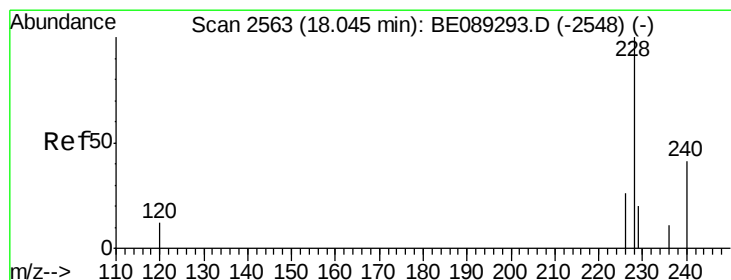
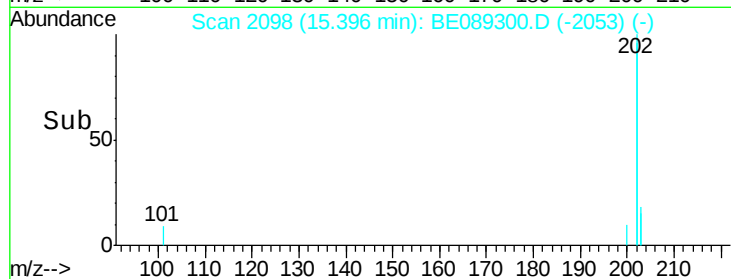
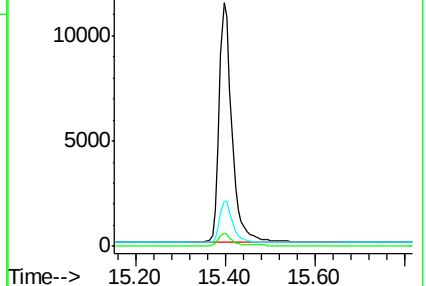
203 18.5 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 18.04 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

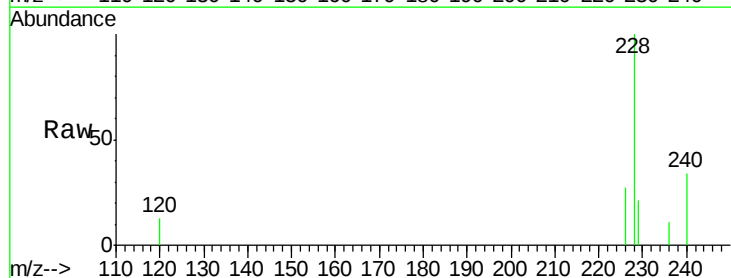
Tgt Ion:228 Resp: 3653

Ion Ratio Lower Upper

228 100

226 27.2 21.9 32.9

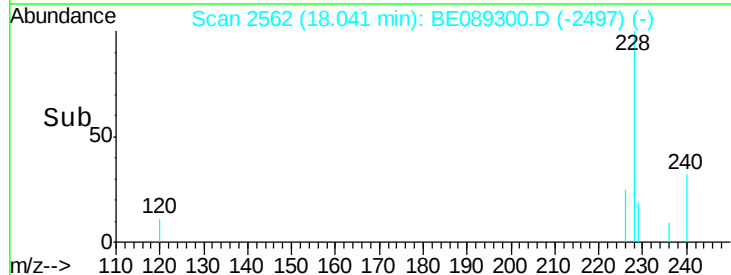
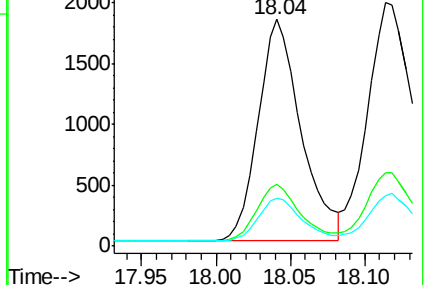
229 21.0 16.9 25.3

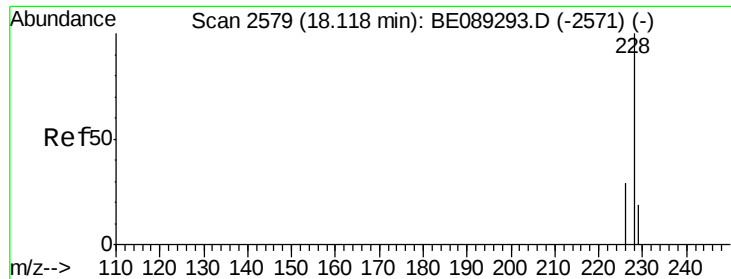


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.44 ng/ul

RT: 18.11 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

SSTD0.454

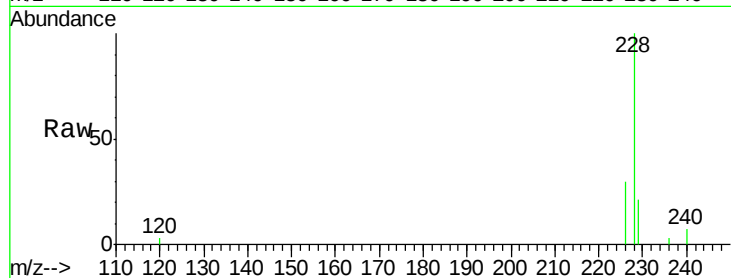
Tgt Ion:228 Resp: 4797

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

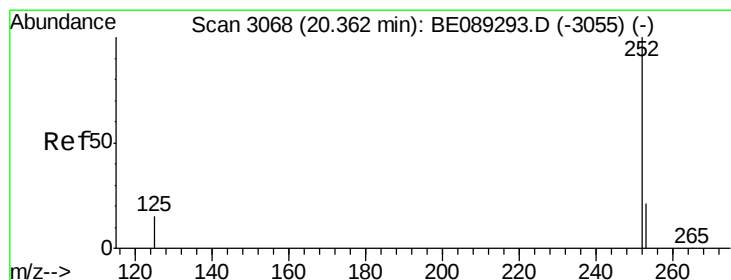
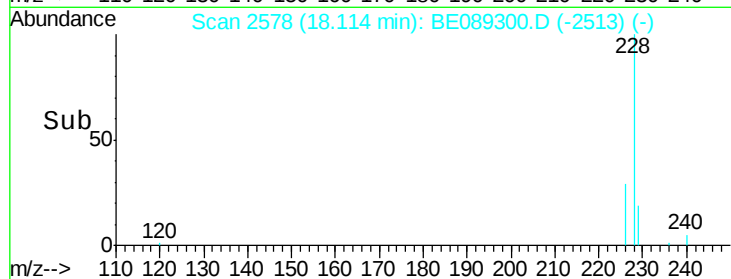
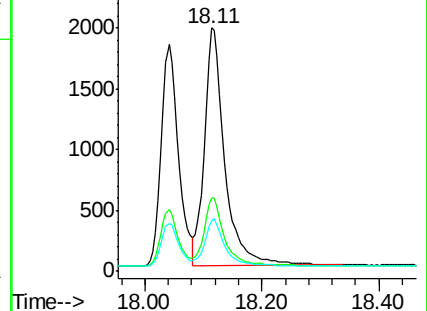
229 20.7 16.8 25.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 0.36 ng/ul

RT: 20.36 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

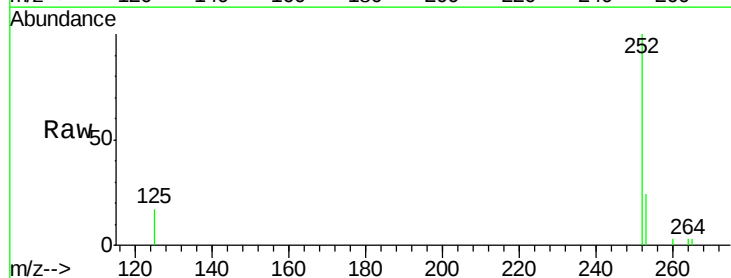
Tgt Ion:252 Resp: 2865

Ion Ratio Lower Upper

252 100

253 24.0 0.0 47.8

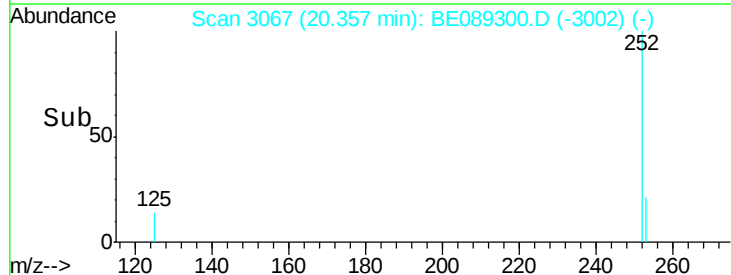
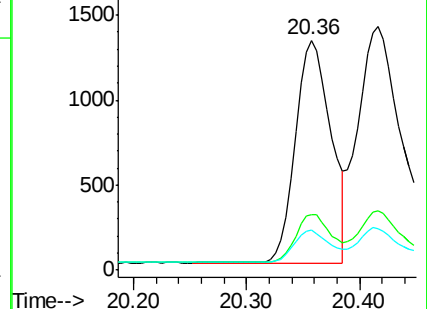
125 17.2 0.0 34.2

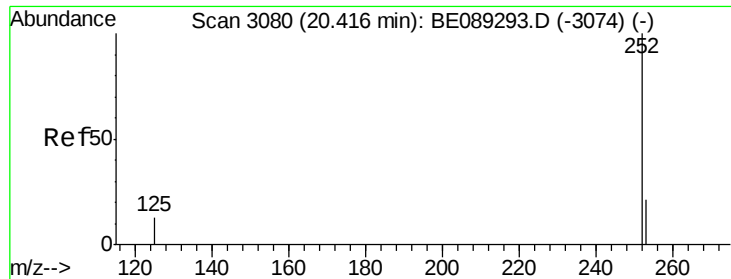


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 20.42 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

SSTD0.454

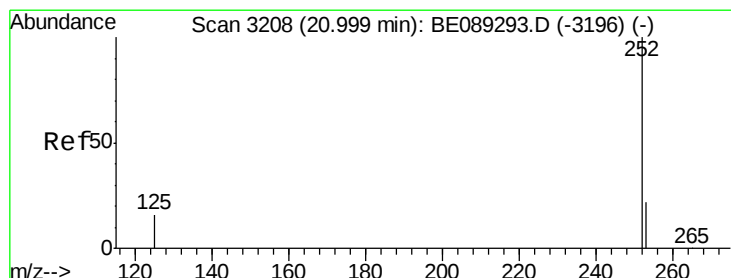
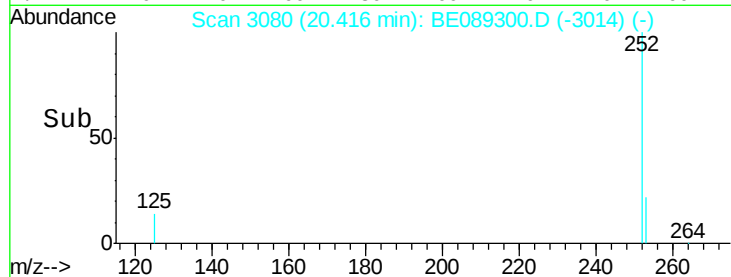
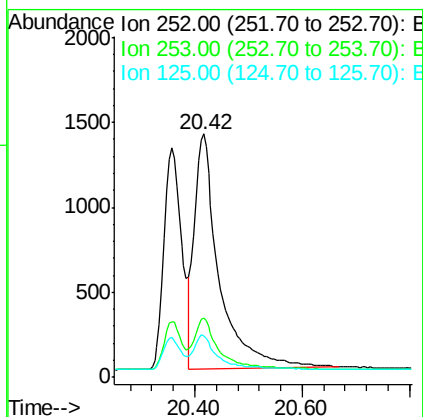
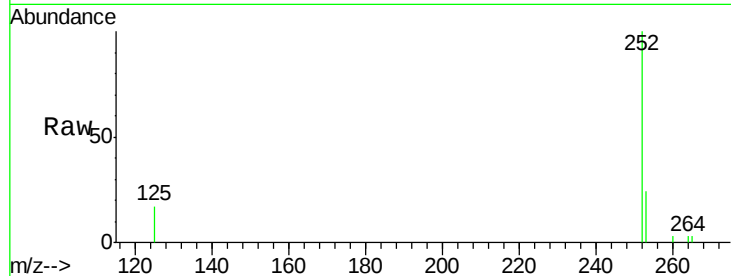
Tgt Ion:252 Resp: 4406

Ion Ratio Lower Upper

252 100

253 24.4 19.0 28.6

125 16.8 13.5 20.3



#25

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 21.00 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

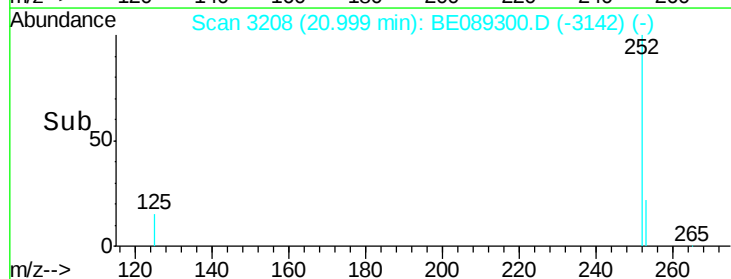
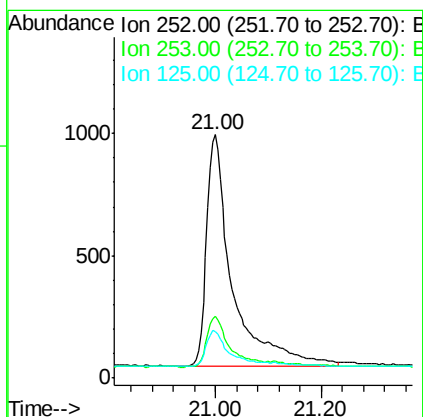
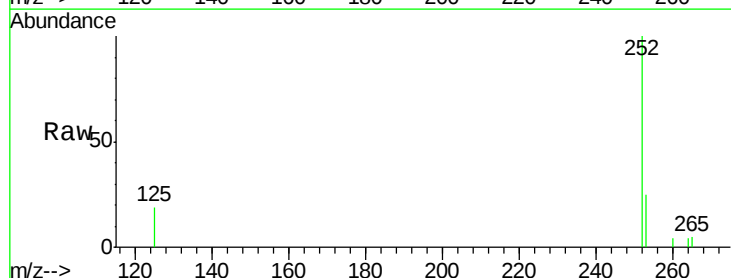
Tgt Ion:252 Resp: 3212

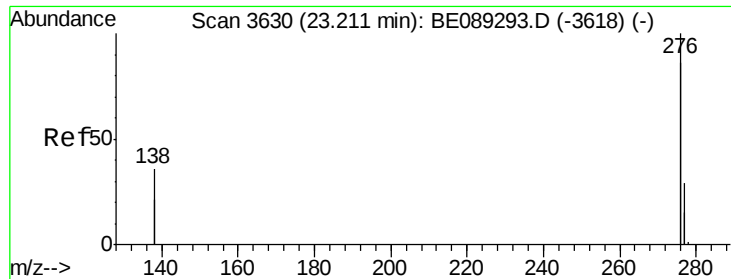
Ion Ratio Lower Upper

252 100

253 25.3 19.7 29.5

125 19.3 15.0 22.6





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.33 ng/ul

RT: 23.20 min Scan# 3629

Delta R.T. -0.01 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

SSTD0.454

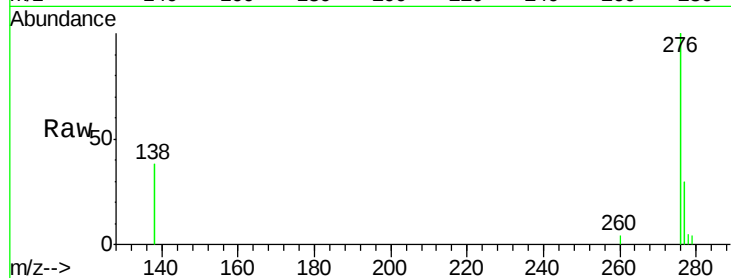
Tgt Ion:276 Resp: 7347

Ion Ratio Lower Upper

276 100

138 31.2 23.8 35.8

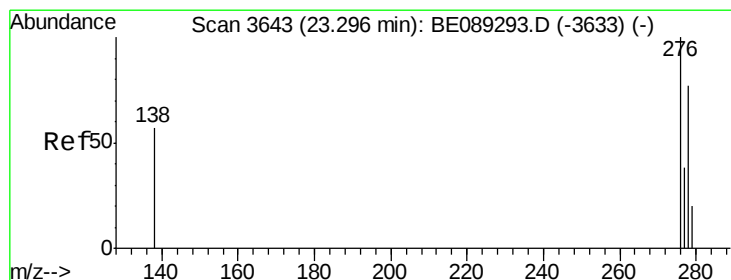
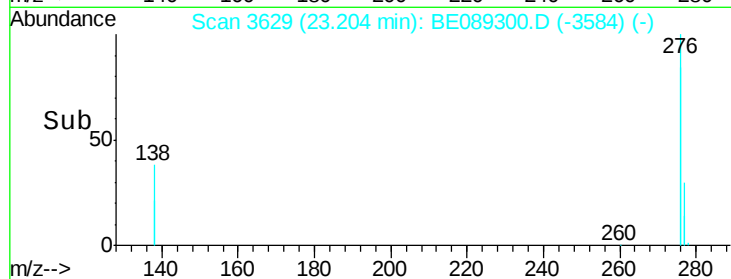
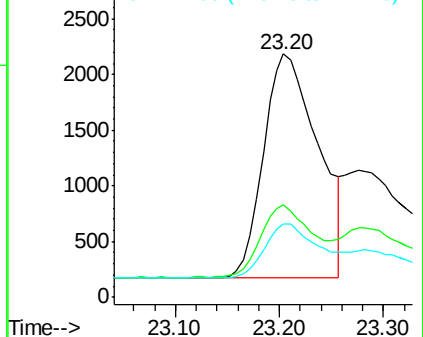
277 23.7 18.9 28.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#27

Dibenzo(a,h)anthracene

Concen: 0.37 ng/ul

RT: 23.30 min Scan# 3643

Delta R.T. -0.00 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

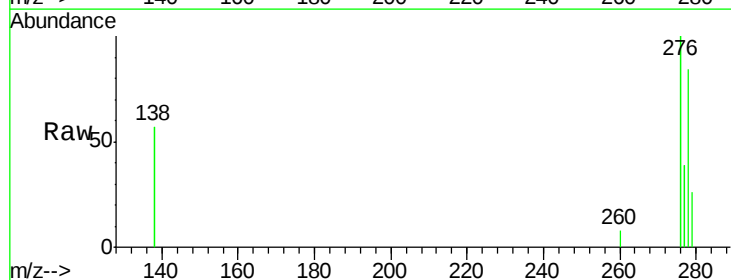
Tgt Ion:278 Resp: 2383

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

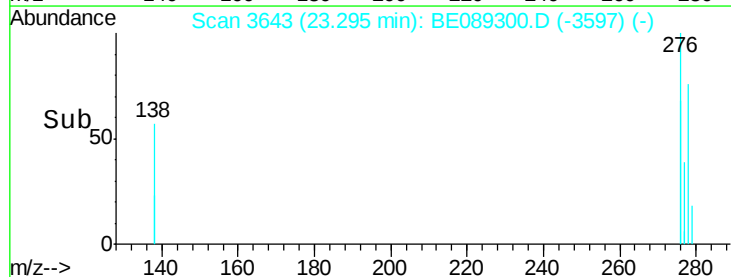
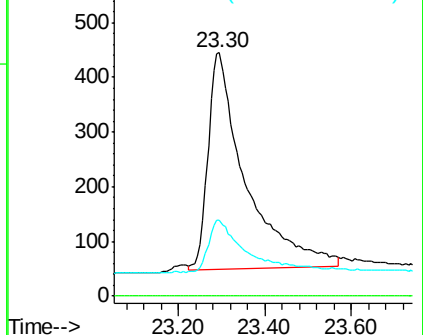
279 31.0 24.0 36.0

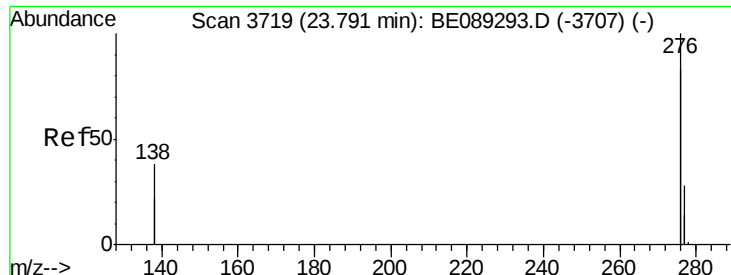


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.39 ng/ul

RT: 23.78 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BE089300.D

Acq: 31 Dec 2014 19:32

Instrument :

BNA_E

LabSampleId :

SSTD0.454

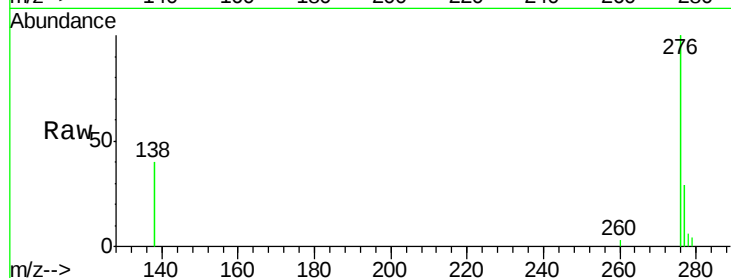
Tgt Ion: 276 Resp: 12537

Ion Ratio Lower Upper

276 100

277 29.3 22.3 33.5

138 39.9 30.0 45.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

